Mission eco NEXT
Communicating Science for Next Generation of Eco Intelligence & Regenerative Ecological Futures

Eco Innovation | Eco Design | Eco Media | Eco Cultures

Effective science communication can change ways of community learning, peoples’ access to knowledge & resources, and societal paradigms. The science behind management of ecological resources, habitat & ecosystems services is central to our wellbeing and ability to work. It thus addresses critical life cycle needs and complexities of social, economic and ecological nature.

The ‘eco NEXT’ initiatives are driven by S&T Communication skills centered upon eco-media, eco-design, eco-innovation & eco-cultures and support Youth Leadership equipped for building the future through a next generation of eco-intelligence, informed choices and decision making. In today's fast-paced world, role of media, design & innovation is critical in leveraging & furthering these goals. The initiatives focus upon responsiveness for building regenerative ecological futures. The triple leverage by eco media, eco design & eco innovation is intended for sharpening the integrated efforts for conservation & regenerative use of natural resources, and is specifically aimed at –

- Developing models in public guidance systems based on science communication, like location specific innovative initiatives for actionable learning and building field capacity for adopting scientific & best practices in knowledge critical domains.
- Knowledge led equipping of youth for leadership and improvement of quality of life of specific target groups based on scientific approaches of ‘Being on their Own’ and ‘Collective response’ to challenges and location specific problems.
Communicating Science for Next Generation of Eco Intelligence & Regenerative Ecological Futures

**Igniting Next Generation of Eco-Intelligence for Regenerative Ecological Futures**

Projects & activities are supported in order to:

- Innovate, informalize and spread the messages of science with common man, scientists and future scientists
- Coordinate and support need specific field mobilization programmes for spreading and enhancing the reach and impact of messages
- Aid people to embark upon new modes of action by helping a re-invention of more resourceful & scientific mindset, capacity to think, decide & innovate
- Assessing the needs and evaluating the impact of science communication programmes in the subject areas

The physical & financial progress and technical content is closely monitored. Online submissions of pdf files of Quarterly Progress Reports and finally the Project Completion Report (also in a hard copy) are required in the prescribed formats. NCSTC and its nominated experts mentor the implementation. On-site reviews/Group Reviews/Evaluations of Final Outcome are invoked with annual, interim/need based & end line periodicity. Satisfactory utilization of funds for the approved purposes, delivery against objectives (original/modified) and compliance to the terms & conditions of grant-in-aid, & release of next instalment of grant are interlinked. Guidelines & format are available under NCSTC section of DST website.

‘eco NEXT’ Mission Initiatives focus upon the components as detailed under Annexes (I-IV) hereafter:
Mission eco NEXT

‘Vigyanen Swachhmar Sarvada
Vigyanen Haritam Sarvada’

S&T Communication for
Eco Cultures, Eco Media, Eco Design, Eco Innovation & Eco Solutions

Vision: Igniting Next Generation of Eco-Intelligence for Regenerative Ecological Futures

Mission: To inspire and nurture the Eco Intelligent Youth & Young Change Makers

Focus: Capacity, Competence Building Initiatives for Youth Engagement Trainings, Engagement, Site Specific Communication Resource Creation, and Change Making by Youth is in focus. The goal is to raise a dedicated & skilled cadre of youth equipped through S&T Communication for Eco Cultures, Eco Media, Eco Design, Eco Innovation & Eco Solutions, for building regenerative ecological futures through a next generation of eco-intelligence, informed choices and decision making, and also support National Youth Policy, Skilled India & Swachh Bharat missions.

The forthcoming phases of programme would focus upon initiatives in building real-time understanding of nature & its ecosystems, responsiveness, eco-design & eco-media literacy for promoting integrated efforts. The programme supports a direct and purposeful communicative paradigm, as Science Media & Eco Innovative/Creative Youth leadership.

Capacity Building Methodology should be highly interactive and to include case studies, critical inputs, presentations, focussed group discussions, science debates, FAQs, hands-on approach, individual & group assignments, Master Classes, presentations & feedback, Questionnaire/ quiz, field notes, plans for post training Field Initiatives, etc. The criteria for selection of participants for the Trainings should be proposed, inclusive of their track of educating & inspiring the people, innovation mindset, scientific temper and positive ecological outlook.

Mission Components: The project initiatives are invited throughout the year under the following Mission Components, detailed hereafter:

- Eco Routes,
- Eco Leads, &
- Eco Rise Challenge in S&T Communication
- Additionally, proposals of strategic importance like government priorities, less endowed regions, science & technology communication research, and resource development shall also be supported.
I. ECO ROUTES

Multi-loccational clusters of sub-regional initiatives aimed at spurring pilot sub-regional missions, have a trail & road map dotted with representative ecological hotspots which are less endowed or under stress, yet eco-culturally rich. An indicative map is ever evolving for future eco-travels with youth, aiming at regional/eco-regional resource creation & short term orientation of promising young change makers, especially from science & media for serving diverse priority categories of target groups like Media & Theatre students, Tribal population, Youth (Students/ NSS volunteers, village youth), and/or for themes suitable to different eco-regions. Ideas and concepts are invited for expanding this initiative & developing the map further.

I (a) Eco NEXT ‘CONSULT’, also an NCSTC coordinated initiative, in addition to being project mode activities, the Eco Rise Challenge Round Table Consultation Workshops (1-2 days) are meant for Technical Assistance and Capacity Building, Sharing Experiences, Tools and Methodologies of effective handling of Eco Rise Challenges. Representations from diverse sections of stakeholders shall share Experiences, Tools and Methodologies and synthesize innovative world views, while synergizing capacities and experiences especially under the following critical domains of field action and capacity of action groups –

- Needs assessment
- Planning and design
- Implementation
- Monitoring and evaluation
- Social Innovation
- Dialogue and Hand-holding for Eco-social support & Innovation

Suggested Stakeholders: Media, CSR, Banking/Investment/Venture Capital Managers, Not for Profit organizations, Educational and Technical Institutions, District Administration, PRIs, Influencers/Eco Next Persons, etc. chosen based on their experience in fostering cross-sector collaborations, and developing common languages and approaches for addressing complex community issues along with development of youth leadership.

I (b) ‘Eco NEXT Talent Hunts’ & ‘Eco Media Fests’, have been conceptualized to leverage the Eco NEXT messages with youth exuberance and potential as multi-loccational sub-regional initiatives. There shall be competitive events in following categories –

i) Discovery Science & Eco Exploration
ii) Eco creativity, Eco-Design & Eco Media
iii) Eco-innovation

The activities should be designed for Rural & Urban Youth in clusters of 5-10 Districts, to select & promote promising Young Change Makers who can be further shortlisted for Capacity Development Modules or would develop Eco Talent Networks, with in Rs. 25 Lakhs inclusive of appropriate number of Capacity Development Modules. The events may culminate as showcases/fests for Eco Media. Bundi Eco Films Fest has been recently supported at Bundi, the district known for its water Baoris which under severe threats today.
II. ECO LEADS
The Youth Capacity Development & Leadership Initiatives

Central Theme of the Capacity Development Initiatives & up to a min. of 2 Nos of respective post training field initiatives, need to be from the following categories –

Swachham Sarvada: Science Communication for adoption of schools, rural/urban areas for triggering and sustaining best practices in Ecosanitation & Innovation. Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) per field initiative.

Haritam Sarvada: Science Communication for adoption of schools, areas under ecological stress, promotion of eco-innovative practices for ever green farming & horticulture, social forestry, aquaculture, etc. Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) per field initiative.

Eco Health Clinics: Design, Development and supervision of Community Science Media & Communication Systems by youth for ecosystems health & eco innovation (especially water clinics). Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) for one module.

Eco Design & Eco Digital Clinics: Design, Development and supervision of Eco Design Communication Systems by trained youth for Community Science Media & Literacy by youth and eco-interpretation/eco consultations for eco-design, eco-digital & eco-innovation skills. Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) for one module.

Eco Smart Schools:
- design, development and supervision of School Science Media & Communication System by youth
- may be part of the local school system as a modular component with special additional focus, curricular or extracurricular, or both, on the concerned themes & should represent diversity and engagement with Ecological issues as an explicit purpose.
- should involve hands on learning that is inquiry and outcome based and science communication as alternative mode & unique approach to learning.
- should provide an environment or experience that would attract students and communities from other school zones also, especially from challenged locations.
- should help institutionalize and mainstream actionable Eco learning with neighbouring communities (through festivals, events, weekly markets, adoption of sites/action locations, etc.).
- should be able to encourage Eco Innovation Educators from teachers and stakeholders across the boundaries.
- Networking & handholding should be the key deliverables.
- Learning Resources: @ Rs. 50,000/- per year for one module per school for IEC resources, activities, etc.
**II (a) Studio Eco NEXT**

‘Youth Eco Media, Arts, Culture & Interpretations Trainings in Hands-on Science’

Project duration 6 month to 1 yrs for a series of Trainings inclusive of post Trainings assignments, with budget components given below (a)-(f) in addition to budget heads as per DST norms like Project Staff, Overheads, etc., overall with in Rs. 20 Lakhs.

| (a) 5 days inclusive of 1 day of Experiential Outdoor, for Site Specific Hands-on Studio Trainings for Science Communication Products/ Resource Creation, up to 20 trainees per batch up to @ Rs. 3,00,000/- per batch | (b) Site recording tools & digital/media instruments up to Rs. 75,000/- | © Resource Development on Eco Media Capacity Building up to Rs. 75,000/- | (d) Monitoring, Evaluation, Review, Documentation up to Rs. 50,000/- | (e) Travel & Contingency up to Rs. 50,000/- | (f) Support for Post Training assignments to select number of participants (up to 10%) as Eco Creatives/ Eco Media Associates with a token stipend @ 5000/- pm. (3 months) based on evaluation by implementing organization & review/technical vetting by NCSTC |

**Methodology, Work Plan & Core Content Modules**

Methodology & Work Plan should follow a Youth centric, eco-regional/eco-habitat & heritage, culture & science based approach to understand & interpret ecological issues for promoting communities engagement, community leadership & professional development of youth. Capacity & competence may be promoted in Interpretive Science Communication & Natural Heritage Science Communication & eco-creations. Proposals should provide focused methodology & work plan giving criteria for selection of participants, feedback & impact assessment, and day-wise details of sessions/activities linked with respective resources/resource persons on the following core modules:

<table>
<thead>
<tr>
<th>Module #1</th>
<th>Module #2</th>
<th>Module #3</th>
<th>Module #4</th>
<th>Module #5</th>
<th>Module #6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment: Eco-sight &amp; outlook, reasoning, aptitude and attitudes of the trainees, aptitude for print, electronic &amp; ICT including technology like GIS &amp; GPS, mixed media, new media, etc.</td>
<td>Orientation with basic eco-concepts: Eco-systems &amp; Sustainability, Climate Change, Biodiversity, Natural/ renewable resources,</td>
<td>Site recording, design &amp; development of science communication/eco-media products: Surveys, ecological landscapes &amp; profiles, eco-</td>
<td>Field Eco Lab/Trails in Eco cultural &amp; Eco media Interpretation</td>
<td>Learning Resource Enrichment (based on outcomes in Eco Media, Arts &amp; Cultural Capacity Building)</td>
<td>“Youth Portfolio” by participants as per NCSTC framework</td>
</tr>
</tbody>
</table>
II(b) **Eco Eureka**

‘Youth Engagement trainings for Nature, Labs & Youth Connections for Eco-innovation & community leadership’

Project duration 6 month to 1 yrs, with budget components given below (a)-(f) in addition to budget heads as per DST norms like Project Staff, Overheads, etc., overall with in Rs. 20 Lakhs.

(a) 5 days of Youth Engagement for Nature, Labs & Youth Connections for Eco-innovation & community leadership including experiential camping of 1 day, up to 25 trainees per batch, up to Rs. 2.5 lakh per Training

(b) Hands-on-science instruments & accessories up to Rs. 75,000/-

© Resource Enrichment based on outcomes for Capacity Building (Rs. 50,000/-)

(d) Monitoring, Evaluation, Review, Documentati on up to Rs.50,000/

(e) Travel & Contingency up to Rs. 50,000/

(f) Post Training assignment, may be supported to select number of participants (up to 10%) as Eco Eureka Fellows, with a token stipend @ 5000/- pm. (3 months) based on evaluation by implementin g organization & review/technical vetting by NCSTC
Methodology, Work Plan & Core Content Modules

Methodology & Work plan should address: Exposure, eco-interpretation & experiential action learning module for Nature lab- Youth connections for Eco –innovation & community leadership. Proposals should provide focused methodology & work plan giving criteria for selection of participants, feedback & impact assessment, and day wise details of sessions/activities linked with respective resources/resource persons on the following core modules (but not limited to the same):

<table>
<thead>
<tr>
<th>Module #1</th>
<th>Module #2</th>
<th>Module #3</th>
<th>Module #4</th>
<th>Module #5</th>
<th>Module #6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Assessment:</strong> Eco-sight &amp; outlook, reasoning, aptitude and attitudes of the trainees</td>
<td><strong>Orientation with basic eco-concepts</strong></td>
<td><strong>Eco Exploration for Evidence:</strong></td>
<td><strong>Eco Exploration for Evidence:</strong></td>
<td><strong>Learning Resource Enrichment for Capacity Building</strong></td>
<td><strong>“Youth Portfolio”</strong> by participants as per NCSTC framework</td>
</tr>
<tr>
<td>Ecological Values &amp; Charter for Young Change makers on Scientific Temper &amp; Ecological duties</td>
<td>Nature, Labs &amp; Youth Connections</td>
<td>Photo/ video documentation of evidence, mapping, GPS assisted mapping, ecological landscapes &amp; profiles, eco-digital skills, eco-interpretation etc.</td>
<td>Hands-on, Lab &amp; outdoor assignments</td>
<td>Field Eco Lab/Exploratory Trails in Eco cultural Interpretation</td>
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</tr>
<tr>
<td></td>
<td>Science, nature conservation and Eco restoration</td>
<td>Documentation, Communication, Education &amp; public awareness, Impact &amp; Outcome mapping.</td>
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<tr>
<td></td>
<td>Nature based solutions, co-creation &amp; eco-innovation</td>
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<tr>
<td></td>
<td>Eco-habitat, Eco Health, Eco-sanitation, WaSH, &amp; Renewable Resources for sustainable futures</td>
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</tbody>
</table>

II (c) **E³ Labs**

Training of Trainers in Eco Media, Eco Design & Eco Innovation centric science Communication: ‘Hands-on-Science Training of Young Educators through engagement with evidence based S&T Media, Design, Digital & Innovation Media, especially for Trainers like Eco Media Educators, Eco Creatives, Eco Educators, & also the Young Change Makers & exchange of eco-learning, by means of igniting youth leadership and organizational capacity building.’

Project duration 6 month to 1 yrs for a series of trainings, with budget components given below (a)-(f) in addition to budget heads as per DST norms like Project Staff, Overheads, etc., overall with in Rs. 25 Lakhs
(a) 5 Days of motivation, skill & competence building, up to 20 participants per batch, up to Rs. 3.50 Lakh per batch  
(b) Hands-on-science instruments, training kits & accessories up to Rs. 100,000/-  
© Resource Enrichment for Capacity Building based on outcomes (Rs. 75,000/-)  
(d) Monitoring, Evaluation, Review, Documentatio n up to Rs.50,000/-  
(e) Travel & Contingency up to Rs. 50,000/-  
(f) A select no. of successful participants (20%) to be supported as Eco Media Educators/Eco Educators or Young Community Advisors for their Field Initiatives (Post Trainings, with a token honorarium/stipend @ Rs. 5,000/- for in-service & Rs. 10,000/- p.m. X 6 months for not in service participants, based on evaluation by implementing organization & review/technical vetting by NCSTC.

Methodology, Work Plan & Core Content Modules

Methodology & Work plan should address youth engagement with evidence based S&T Media for Eco Innovation & Performance for exchange of eco-learning, by means of igniting youth leadership and organizational capacity building. Proposals should provide focussed methodology & work plan giving criteria for selection of participants, feedback & impact assessment, and day to day schedule of capacity development activities linked with respective resource persons may be proposed based on the NCSTC core curriculum given below. Criteria for selection of participants should also be proposed inclusive of their continuing track of empowering, educating & inspiring the people, innovation mindset, scientific temper and positive ecological outlook.

<table>
<thead>
<tr>
<th>Core competencies</th>
<th>1st Day</th>
<th>Pre Lunch Session # 1 Tutorials &amp; Quiz</th>
<th>Pre- Lunch Session # 2 Interactive Talks &amp; Quiz</th>
<th>Lunch Hours: Handouts</th>
<th>Post Lunch Sessions # 3 &amp; 4</th>
</tr>
</thead>
</table>
| Communication, Working with People, Drive for Results | Multidisciplinary nature of Eco & Sustainability Science Communication (concepts, practices & resource agencies) | COMMUNITY LEARNING & PRACTICES:  
• Ecological Values & Charter for Young Change makers on Scientific Temper & Ecological duties  
• Role of policy in shaping the Eco landscapes and raising ecological performance  
• Priority humanitarian needs versus sustaining Eco Systems Services | Questionnaire / quiz for submission next day | (A) EXPERIENTIAL LEARNING/ECO-EXPLORATORIES WITH ACTIVITIES LIKE  
• Scenario building, participatory mapping, eco-scaping, Eco cultural & Eco Media Interpretation etc. |
## Functional & Experiential Competency

### 2nd/3rd Day

#### Recap of prev day quest/quiz

**EXPOSURE & FIELD IMMERSION**

1) Visits to ecological hotspots

2) Identification of entities working in the Eco & Innovation sphere & networking

3) Developing eco-innovation, design, eco-digital, & media leads for livelihood options, eco-health issues, mitigation & adaptation to ecological risks, etc.

3) Interaction with media

#### COMMUNITY LEARNING & PRACTICES:

- Ecological Values & Charter for Young Change makers on Scientific Temper & Ecological duties
- Role of policy in shaping the Eco landscapes and raising ecological performance
- Priority humanitarian needs versus sustaining Eco Systems Services

#### Field Note for submission next day

- Eco-innovation - concepts, designs, prototypes/demo models, field experiments, etc.
- Games & role play, design/ calculation workouts, eco-media lead generation & communication
- Reflecting on every day learnings, opinion leadership, sharing, co-travelling, counselling, advising, consulting, educating, etc.

## Technical & Functional Competency

### 2nd/3rd Day

#### Recap of prev day questionnaire/quiz

**ECO-SYSTEMS & REGIONAL ECOCOLOGIES**

- Eco-systems, Eco-Regions & Biodiversity, global warming, etc.
- Ecological Risk & Eco Health Assessments, audit & budgeting, Eco-systems services

**ECO RISK PREPAREDNESS**

(acute, post-acute, protracted, chronic crises)

#### ISSUES OF LOCAL IMPORTANCE

- basic knowledge
- problems, management, technology, best practices & innovation options
- role of eco-media, eco-digital and other outreach methodologies in promoting eco-innovation & best practices

#### Questionnaire/quiz for submission next day

- (B) MASTER-CLASSES (2-3 Nos) by scientist/technologist/agriculturist/persons of excellence in the area, etc.
<table>
<thead>
<tr>
<th>Day</th>
<th>Recap of prev day questionnaire/ quiz</th>
<th>TOOLS, TECHNIQUES AND ECO-INNOVATIONS</th>
<th>ISSUES OF LOCAL IMPORTANCE:</th>
</tr>
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<tbody>
<tr>
<td>4th</td>
<td>Case studies, quality-risk understanding, assessment &amp; reduction: Water, Land and Forest Ecosystems, atmospheric environment, etc.</td>
<td>CONSOLIDATION &amp; PLANNING FOR FUTURE</td>
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<td>QUESTIONNAIRE/QUIZ FOR SUBMISSION NEXT DAY</td>
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<tr>
<td>5th</td>
<td>Recap of prev day questionnaire/ quiz</td>
<td>EXPOSURE &amp; FIELD IMMERSION</td>
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<tr>
<td></td>
<td></td>
<td>1) Visits to ecological hotspots</td>
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<td></td>
<td>2) Identification of entities working in the Eco &amp; Innovation sphere &amp; networking</td>
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<td></td>
<td></td>
<td>3) Developing eco-innovation leads for livelihood options, mitigation &amp; adaptation to ecological risks, etc. &amp; compilation of self-learning resources</td>
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<td>4) Interaction with media</td>
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<td>4) “Youth Portfolio” of the participant</td>
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<td>Field Eco Lab/ Trails in Eco cultural &amp; Eco Media Interpretation</td>
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<td></td>
<td></td>
<td>PROPOSED PLANS FOR FIELD INITIATIVES</td>
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</table>

**NOTE:** PL REFER ANNEX III (YOUNG CHANGE MAKER’S CHARTER OF SCIENTIFIC TEMPER & ECOLOGICAL DUTIES) AND ANNEX IV (YOUTH PORTFOLIO).
III. ECO RISE CHALLENGE
in S&T Communication

AIM

Effective & purposeful S&T Communication can yield benefits which are transformatory & rooted in productive outcomes. The skills can be harnessed under a challenging context to alter not only behaviour but also the capacity to support community development & lifestyle choices linked to livelihoods, vocations & enterprise. The growth of Eco Next Initiatives of NCSTC has witnessed diverse and transdisciplinary options emerging in these directions.

The initiative aims to demonstrate that any region less endowed in terms of development, natural resource management, vulnerabilities of education, health, livelihood & enterprise, especially the SC/ST population predominant regions, but having strong Eco-cultural assets can rise by gaining assets like human resources especially in form of Young Change Makers who are groomed with S&T Communication skills. These Change Makers would communicate & promote and add assets in turn to the region based on Eco-solutions like Eco Innovation & Design Mind-set, Practices and lifestyle choices especially Eco-enterprises & Eco-Vocations. This should signify the rise of regions’ endowments through sustainable use of Eco resources, thereby triggering far reaching resurgence & transformations.

PRIORITY AREAS FOR INTERVENTION

A selection of priority districts based on literacy rate, predominance of less endowed/developed locations &/or eco-sensitive regions, scarce resources for livelihood & agriculture, etc. is given at Annex II. The areas of intervention in the Less Endowed Regions (LERs) in such districts can be proposed along with strong rationale for proposed target area including other indicators of development, even beyond the criteria mentioned above. Single District Initiatives as well as Regional Initiatives (2 or more Districts) shall be supported.

ECO RISE GOALS

The Eco Rise Goals have been identified to yield returns in terms of numbers of youth sensitized, young change makers nurtured and eco-solutions propagated. It is hoped to reach LERs in up to 20 districts during 1st year, up to 40 districts during 2nd year and up to 60 districts during the 3rd year of the Eco Rise Challenge. These goals are further quantified as targets for 3 years as follows:

I) To reach ~ 25 lakhs students from LERs in 60 districts through Eco Next Talent Hunts as detailed in Mission Eco Next Programme brochure on DST website

II) Promoting 2500 Young Change makers in LERs in 36 states/UTs through S&T Communication based trainings (Eco Eureka, Eco Next Studio & E3 Labs) & post-training engagements (as detailed in Mission Eco Next Programme brochure on DST website) to select numbers of trainees working in groups with 3-4 nos of participants who have successfully completed the trainings (but are not selected for
stipend supported assignments, but each can also be offered one time honorarium Rs. 5000/-.)

III) Promoting the endowment of 2000 kinds of eco solutions to Eco Innovation & Design and Eco -prise/Eco Vocational Challenges in LERs in 60 districts in first 3 years through post-training engagements of S&T Communication trainees (demonstrations & practices) and community ownership for sustained adoption.

IV) To receive nominations based on multi-sectoral opinion poll in the challenge areas by project implementing agencies for the “Person of Eco NEXT Excellence” who show tireless dedication and influencing capacity for Eco Next Mission Goals, and to identify them for the programme needs based on recommendations of Technical Advisory Committee.

V) Inducting the identified persons at a convention for a “Eco Next Hall of Fame” at national level.

VI) Eco Next “Consult” : Eco Rise Challenge Round Table Consultation Workshops (1-2 days) : Technical Assistance and Capacity Building, Sharing Experiences, Tools and Methodologies of effective handling of Eco Rise Challenges

Representations from diverse sections of stakeholders shall share Experiences, Tools and Methodologies and synthesize innovative world views, while synergizing capacities and experiences especially under the following critical domains of field action and capacity of action groups -

- Needs assessment
- Planning and design
- Implementation
- Monitoring and evaluation
- Social Innovation
- Dialogue and Hand-holding for Eco-social support & Innovation

Suggested Stakeholders: Media, CSR, Banking/Investment/Venture Capital Managers, Not for Profit organizations, Educational and Technical Institutions, District Administration, PRIs, Influencers/Eco Next Persons, etc. chosen based on their experience in fostering cross-sector collaborations, and developing common languages and approaches for addressing complex community issues along with development of youth leadership.

HOW TO APPLY:


The proposals, in addition to regular details per guidelines and format, should essentially build in the following TWO statements:

A) Quantified levels of the challenge undertaken versus the districts selected;
B) The proposed objectives and methodology, both should have the **Project Benefit & Delivery Statement** giving quantified targets clearly described in terms of the following

- the number of youth to be sensitized through Eco Next Talent Hunt
- young change makers to be nurtured through trainings
- number & kind of eco-solutions/eco-enterprises/eco-vocations to be propagated through science & technology communication
- the rationale behind the targets proposed
- know-how and do-how to achieve the targets

**Note:** The proposals lacking these statements shall be summarily rejected.
<table>
<thead>
<tr>
<th>STATES/UTs</th>
<th>ECO RISE CHALLENGE DISTRICTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andhra Pradesh</td>
<td>Anantapur, Karimnagar, Kurnool, Nalgonda, Prakasam, Srikakulam, Vizianagaram</td>
</tr>
<tr>
<td>Bihar</td>
<td>Araria, Banka, Begusarai, Bhagalpur, Darbhanga, East Champaran, Gaya, Jamui, Kaimur, Katihar, Khagaria, Kishanganj, Madhepura, Madhubani, Muzaffarpur, Nalanda, Nawada, Purnia, Saharsa, Samastipur, Saran, Sheikhpura, Sheohar, Sitamarhi, Supal, West Champaran</td>
</tr>
<tr>
<td>Chhattisgarh</td>
<td>Bastar, Balod, Balrampur-Ramanujganj district, Bemetara, Bijapur, Dakshin Bastar (Dantewada), Kabirdham, Kondagaon, Mungeli, Narayanpur, Sarguja, Sukma</td>
</tr>
<tr>
<td>Gujarat</td>
<td>Banaskantha, Dahod, Dang Devbhoomi Dwarka, Kutch, Panchmahal/Mahasagar, Patan</td>
</tr>
<tr>
<td>Haryana</td>
<td>Charkhi Dadri, Mahendragarh, Mewat/Nuh, Panchkula</td>
</tr>
<tr>
<td>Jharkhand</td>
<td>Chatra, Deoghar, Dumka, Garhwa, Girdhi, Godda, Jamtara, Khunti Latehar, Pakur, Palamu, Sabhaganj, West Singhbhum</td>
</tr>
<tr>
<td>Karnataka</td>
<td>Chamrajnagar, Kalaburgi (Gulbarga), Kodagud, Mandya, Raichur, Shimoga, Vijayapura (Bijapur), Yadgir</td>
</tr>
<tr>
<td>Kerala</td>
<td>Kottayam, Alappuzha, Palghat Wayanad</td>
</tr>
<tr>
<td>Madhya Pradesh</td>
<td>Agar Malwa, Alirajpur, Barwani, Burhanpur, Chhatarpur, Dhar, Dindori, Guna, Jhabua, Khargone, Mandla, Panna, Rajgarh, Sheopur, Shivpuri, Sidhi, Singrauli, Tikamgarh, West Nimar</td>
</tr>
<tr>
<td>Maharashtra</td>
<td>Aurangabad, Gadchiroli, Jalna, Nandurbar, Osmanabad, Parbhani, Sangli, Yavatmal</td>
</tr>
<tr>
<td>Odisha</td>
<td>Balasore, Balangir, Bhadrak, Gajapati, Kalahandi, Koraput, Malkangiri, Mayurbhanj, Nabarangpur, Nuapada, Rayagada</td>
</tr>
<tr>
<td>Punjab</td>
<td>Tarn Taran (Harke), Bhatinda, Muktsar Sahib, Mansa</td>
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<td>Rajasthan</td>
<td>Banswara, Baran, Bhilwara, Bundi, Chittaurgarh, Dungarpur, Jaisalmer, Jalor, Jhalawar, Nagaur, Pratapgarh, Tonk</td>
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<td>Tamil Nadu</td>
<td>Dindigul, Madurai, Rameshwaram, Salem, Tirunelveli, Tiruppur</td>
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<td>Telangana</td>
<td>Adilabad, Khammam, Mahbubnagar, Medak, Nizamabad</td>
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<td>Uttar Pradesh</td>
<td>Bahraich, Balrampur, Banda, Barabanki, Bareilly, Budaun, Chitrakoot, Farrukhabad, Fatehpur, Gonda, Hardoi, Jyotiba Phule Nagar, Kasganj/Kanshi Ram Nagar, Kaushambi, Kheri-Lakhimpur, Lalitpur, Maharajganj, Mahoba Moradabad, Pilibhit, Rampur, Shahjahanpur, Shamli, Shrawasti,</td>
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<tr>
<td>Region</td>
<td>Districts</td>
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<td><strong>West Bengal</strong></td>
<td>Siddharthnagar, Sitapur, Sonbhadra</td>
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<td>Bankura, Birbhum, Dakshin Dinajpur, Malda, Murshidabad, Puruliya, Utt Dinajpur</td>
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<td><strong>NORTH EASTERN &amp; MOUNTAINOUS STATES</strong></td>
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<td>Arunachal Pradesh</td>
<td>Anjaw, Changlang, Changlang, Dibang Valley, East Kameng, Kurung, Kumey, Lower Subansiri/Ziro, Tawang, Tirap, Upper Siang, Upper Subansiri</td>
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<td>Chamba, Kinnaur, Lahaul and Spiti, Sirmour</td>
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<td>Jammu and Kashmir</td>
<td>Annatnag, Badgam, Bandipora, Doda, Ganderbal, Kishtwar, Kulgam, Kupwara, Leh, Ramban, Reasi, Shupiyan, Udhampur</td>
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<td>Manipur</td>
<td>Senapati</td>
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<td>Meghalaya</td>
<td>East Khasi Hills, Jaintia Hills, Garo Hills</td>
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<td>Aizawl</td>
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<td>Nagaland</td>
<td>Dimapur, Mon</td>
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<td>Sikkim</td>
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<td>Tripura</td>
<td>Dhalai</td>
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<td>Uttarakhand</td>
<td>Haridwar, Pauri Garhwal, Pithoragarh, T Garhwal, US Nagar</td>
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<td><strong>UNION TERRITORIES</strong></td>
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<tr>
<td>North and Middle Andaman</td>
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<td>Dadra and Nagar Haveli</td>
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<td>Daman and Diu</td>
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<td>Puducherry</td>
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<td>South Andaman</td>
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<td>South Goa</td>
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</table>
ANNEX III

YOUNG CHANGE MAKER’S
CHARTER
OF SCIENTIFIC TEMPER & ECOLOGICAL DUTIES

Preamble: We, the enlightened youth of India, do hereby solemnly affirm and dedicate ourselves to rise in love and sacrifice for humanity and uphold the values for a peaceful, harmonious and thriving natural world, and we hereby resolve that –

Article 1: It shall be our humble and onerous endeavour & duty to stand for Ecological Integrity of our motherland.

Article 2: It shall be our commitment to our inner voice that tells us to live by scientific outlook and decide our day to day ecological responsibilities.

Article 3: It shall be our foremost ecological duty to nurture the scientific temper of ours and people of our motherland.

Article 4: It shall be our utmost care and duty to give back in greater measure to our common natural heritage than we receive from it.

Article 5: It shall be our self commanding ecological duty to create, value and preserve the resilience of our ecosystems as that alone can ensure a scientific and sustainable way of our co-existence.

Article 6: It shall be our utmost devotion to carry on the learning and living rooted in timeless traditions of eco-friendly living and valuing the harmonious ecological world order.

Article 7: It shall be our collective and individual duty to help our people meet the present and future without ecological dis-privilege or deprivation for any one.

Article 8: It shall be our sacrosanct ecological duty to rise to mitigate and adapt to ecological upheavals wisely and with a loving conscience.

Article 9: It shall be our restorative ecological duty and scientific temper to offer ourselves to check ecological degradation and restore ecological imbalances near us and far, as much as we can.

Article 10: It shall be our missionary spirit and duty to be ever rising to the cause of rescue, rehabilitation and revival in the face of ecological disasters.

Article 11: It shall be our duty to help our people to create a ‘Sustainable Society’ based on the Principles of maintaining peace, overcoming poverty and creating economic equality, securing fundamental human rights, establishing democracy and freedom and conserving the Ecology and Natural Resources.

Overall, It shall be the lifework of us all Young Change Makers, to be ever self sacrificing and contributing to building of scientific temper, ecological preservation and renewal so that we bequeath to future generations a better planet with healthier ecological relations.

(Authored by Dr Pamposh Kumar & Dr Afroz Ahmad)
Tagline/Motto:

1

1.1 Name
1.2 Address
1.3 E mail
1.4 Contact No.
1.5 Career Goals
1.6 Education
1.7 Professional Qualification/
Trainings
1.8 Work History
1.9 Achievements/Awards/
Acclaims/ Specialization

Initials of Course Coordinator

SELF APPRAISAL

(about 250 words)

Candidate to work out and remove after filling in succeeding entries

2

Worksheets

2.1 Knowledge

To be filled in by the candidate

2.2 Skills

To be filled in by the candidate

2.3 Attitudes

To be filled in by the candidate

2.4 Values

To be filled in by the candidate

2.5 Personal Attributes

To be filled in by the candidate

2.6 Professional Attributes

To be filled in by the candidate

Initials of Course Coordinator

APPRASIAL OF LEARNING OUTCOMES

Candidate to work out and remove after filling in succeeding entries

3

Worksheets

3.1 Scientific Outlook

1-5 Star Ratings to be filled in by the course coordinator
(in words and symbols both)

3.2 Method of Science

1-5 Star Ratings to be filled in by the course coordinator
(in words and symbols both)

3.3 Science & Technology

Communication Proficiency

1-5 Star Ratings to be filled in by the course coordinator
(in words and symbols both)

3.3.1 Verbal

3.3.2 Written

3.3.3 Creative

3.4 Learning pathways gained

(May add sub- sections)

To be filled in by the course coordinator
(about 50 words)

3.5 Competencies strengthened

(May add sub- sections)

To be filled in by the course coordinator
(about 50 words)

Initials of Course Coordinator
# APPRAISAL OF INSPIRATIONAL WORK

**Worksheets**  
Candidate to work out and remove after filling in succeeding entries

## 4. Evidence Capture Skills

1-5 Star Ratings to be filled in by the course coordinator  
*in words and symbols both*

## 4.2 Narrative Skills

1-5 Star Ratings to be filled in by the course coordinator  
*in words and symbols both*

### 4.2.1 Verbal

### 4.2.2 Written

### 4.2.3 Creative

## 4.3 Torch bearing potential

*(May add sub-sections)*

To be filled in by the course coordinator  
*(about 150 words)*

## 4.4 Spirit of Community mobilization/ change making

*(May add sub-sections)*

To be filled in by the course coordinator  
*(about 150 words)*

## Initials of Course Coordinator

---

# DETAILED ENDORSEMENT OF ENGAGEMENT WITH ECO & WaSH SCIENCE

**Worksheets**  
Candidate to work out and remove after filling in succeeding entries

## 5.1 Observations and Evidences Captured

(add more rows, if required)

- Day 1
- Day 2
- Day 3
- Day 4
- Day 5

## 5.2 Hypothesis & Validation

(add more rows, if required)

<table>
<thead>
<tr>
<th>Hypothesis #1</th>
<th>Major Hypothesis Formed</th>
<th>Validation / Experiments/ Hands-on-Science/ Inquiries</th>
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<td>To be filled in by the candidate (about 50 words)</td>
<td>To be filled in by the candidate (about 50 words)</td>
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<tr>
<th>Hypothesis #2</th>
<th>To be filled in by the candidate (about 50 words)</th>
<th>To be filled in by the candidate (about 50 words)</th>
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</thead>
</table>

## 5.3 Conclusions & Scientific Interpretation

(add more rows, if required)

<table>
<thead>
<tr>
<th>Conclusion #1</th>
<th>Conclusions</th>
<th>Scientific Interpretation</th>
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</thead>
<tbody>
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<td>To be filled in by the candidate (about 100 words)</td>
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<table>
<thead>
<tr>
<th>Conclusion #2</th>
<th>To be filled in by the candidate (about 50 words)</th>
<th>To be filled in by the candidate (about 100 words)</th>
</tr>
</thead>
</table>

## 5.4 Documentation

(written, digital, photo, and other documentation)

How done? To be filled in by the candidate  
*(about 150 words)*

## 5.5 Dissemination & Communication of Findings & Experiences

(including feedback)

How done? To be filled in by the candidate  
*(about 150 words)*

## 5.6 Goals, Readiness & Commitments for Future

To be filled in by the candidate  
*(about 200 words)*

*Initials of Course Coordinator*
CERTIFICATE

Certified that
Mr/Ms........
S/D ........
actively participated in ....... held on ....... and
successfully engaged with activities & exercises as given in the accompanying
"Eco Next Youth Portfolio"
which demonstrates his/her preparedness, skills and strengths

Sig. Head of the Organization  Sig. Course Coordinator  Sig. NCSTC Prog-i-C

Disclaimer: This endorsement is for motivational purposes only, and shall not be a basis for legal or any other kind of claims.